

Date::time	Comment
09/07/2008::00:28:20	Science watch training starts for HLY0806 - Dale Chayes, Tom O'Brien, Bill Danforth, Peter Triezenberg, Ellyn Montgomery
09/07/2008::15:13:38	Wind has been picking up all night. Currently at ~25 knots from the NW. Sea state has been building all night, feeling the motion now. SeaBeam starting to have more dropouts (bubbles under the hull), but the Knudsen still looks good though.
09/07/2008::23:38:26	Slowing ship speed due to increase in pack ice and low visibility because of fog.
09/08/2008::01:32:58	Entering pack ice, Knudsen starting to drop out a bit, as is multibeam
09/08/2008::14:27:46	Ship working to get through thick ice. Back and forth.
09/08/2008::16:42:18	After leaving the ice pack into clear water, a wedge of ice was stuck under bow causing turbulence down the hull, ie, bubbles under the hull blanking out the SeaBeam and Knudsen simultaneously. Bridge slowed down and chunk of ice dislodged itself.
09/08/2008::18:38:35	Have arrived at meeting point with Louis but no Louis. Are staying within the area and are preparing to take another CTD.
09/09/2008::00:26:26	We are conducting several back and ram procedures.
09/09/2008::00:56:19	We are in some very thick ice.
09/09/2008::09:26:24	Back on course (030). Found an area that contains more broken ice for easier passage.
09/09/2008::10:34:11	Doing some backing and ramming to get through this section of ice. Nav will be back and forth in the datafiles.
09/09/2008::12:43:36	Heading back to the south-south east as it looks like there may be clearer water to the east. We've been backing and ramming for the past couple of hours!
09/10/2008::02:19:20	Meeting of scientists is done- will profile up and around the deep spot Larry and Kelly are interested in while waiting for Dale to return after setting up the intra-ship coms. Starting loop counter clockwise to NW. In ice, so settings will probably change- in Auto at the moment- water depth 296.0 by Knudsen.
09/10/2008::06:59:41	Came south of our original track to open water. We have slowed to 1 knot to allow the Louis to catch up. Will turn southeast as the Louis catches up to us and work our way slowly over to the original planned trackline. Louis personnel have deployed the seismic gear and are ready to resume survey mode.
09/10/2008::14:40:35	Slowly closing in on the trackline to waypoint w2 (in a sine wave fashion). Healy making conservative turns on behalf of the Louis while towing the seismic gear. Ice pack is getting heavier, although still broken up so it's easier to push aside.
09/11/2008::07:18:33	Slowly working our way back to the transit trackline that will take us to waypoint w4. The Louis sent over a series of waypoints that will get us back to this trackline, ice permitting. Going through some fairly heavy ice right now, but the SeaBeam and Knudsen are hanging in there.

09/11/2008::12:57:43 All geophysical systems are performing surprisingly well as we are breaking through some relatively heavy ice and have met up with some pressure ridges that we've had to muscle our way through. Depth below the ship is currently 3653 meters.

09/11/2008::17:50:55 Louis reports "the bubbler did the trick" so we're moving again on hdg 118.

09/11/2008::18:38:49 Ice is thick here, and we're not making much headway, so Knudsen and Seabeam aren't getting much data. Seabeam is on manual, pulse width 20 ms, gain is 35. Not sure if there's anything to be done to improve things.

09/11/2008::21:38:17 Backing and ramming in thick ice again, so data quality isn't great. Preparing to transfer personnel back to their respective ships after tours and interaction time.

09/12/2008::00:27:37 We have stopped forward progress. We have taken a slight right turn to proceed and close closer to the line. Nothing from the bridge, but I assume that we are waiting for Louis.

09/12/2008::07:59:31 Breaking through very heavy ice once again on our way towards waypoint w3. Louis is following us now, however they have pulled the seismic gear due to poor signal to noise (we think). SeaBeam and Knudsen data is VERY sparse due to the noise and bubbles as we break ice.

09/12/2008::10:29:10 Just talked to the bridge, and the ice here is really thick. Yes, we are waiting for the Louis to catch up, then we'll proceed forward.

09/12/2008::16:34:51 Louis is now in the lead. Both the SeaBeam and Knudsen data are improving significantly following in the track the Louis is cutting.

09/12/2008::17:50:35 Having Louis lead and us follow at 4-6 kts seems to have solved the problems with ice interfering with the Seabeam

09/13/2008::04:55:53 Healy helped Louis get unstuck, so we're going again. The captains are trying a parallel course approach, with the idea that the lateral cracks made will relieve the pressure for both. We'll see how it goes- both ships appear to be backing and ramming some, but neither has gotten stuck again in at least 15 minutes. We can almost see the bottom on the Knudsen ~3200m, and the Seabeam is actually doing fairly well (at least getting pings when we're sitting still between backing and ramming).

09/13/2008::21:16:26 Louis is deploying airgun and streamer, Healy is in the lead and will break ice for Louis. Change MB pulse width to 20 MS.

09/13/2008::23:46:17 2 polar bears ~ 1 mile off port bow

09/14/2008::01:38:59 Healy now is in the same lead as Louis,, we are swinging to port and will steam out the path that we just came in on to make the path a bit better for Louis.

09/14/2008::06:24:09 Back into thicker ice now. Backing and ramming currently, and will be clearing a path for the Louis. SeaBeam and Knudsen data suffering as a consequence however. Very intermittent at this point.

09/14/2008::09:47:45 Back ahead of Louis now. They are making headway and we are both now back on course to follow the trackline to waypoint 8 (w8) and then onto waypoint 9 (w9) with a heading of about 270.

09/14/2008::11:37:20 Waiting for the Louis to catch up with us...all stopped. We surged ahead doing 9-10 knots and got way out in front of the Louis. We'd be better off doing 6 knots or so, in which case we stand a chance of collecting multibeam while breaking ice for the Louis. No multibeam coming through at 10 knots in ice.

09/16/2008::08:02:33 Louis has finished testing the airgun array sound intensities, and we're now on our way to waypoints w3 - w6 heading ESE to our original waypoint H on the data plan. We'll get as far as possible to the Canadian margin as the ice allows.

09/16/2008::11:44:06 Back into the ice again.....

09/16/2008::22:30:01 Back underway, helo operations are finished for the day. No Dale Chayes, we are not sure if he is still on Louis or not. He has not replied to email, and no one has talked with him. Huuum.

09/18/2008::02:35:07 Louis has the seismic system back in the water and operating. They called the bridge and said they are ready and waiting for us to get up to speed.

09/18/2008::03:00:58 We are breaking thick ice, Knudsen and SeaBeam data is suffering.

09/18/2008::10:23:16 Waiting for the Louis to catch up to us. She's having a hard time on one of the turns we had to make due to a large pressure ridge.

09/18/2008::12:33:08 Louis has pulled the seismic gear to look at the airgun array, may be possible damage to the gear. The Louis will take the lead for now so that we can continue to collect multibeam and knudsen data. They will advise on the status of the seismic gear later.

09/19/2008::12:38:30 Made it through the pressure ridge. We never hit the 2500 meter contour here. Decided to turn south and follow the Louis and begin making our way to waypoint I (from the original plan). The 2500 meter isobath on the IBCAO grid crosses our line due south and curves out toward the SW, so we should cross it soon.

09/19/2008::18:44:34 Knudsen and SeaBeam are both collecting outstanding data.

09/20/2008::08:21:56 Came down the port side of the Louis and was able to break the ice up enough to free her. The Louis is now back in the lead and we're proceeding south as planned.

09/20/2008::12:13:33 Louis is currently backing and ramming. We're currently all stop on her port side, waiting to see if she can plow ahead. If so, we'll then fall in behind.

09/20/2008::18:13:55 Louis and Healy proceeding through very thin ice. Knudsen and MB are collecting excellent data!!!

09/20/2008::21:19:15 Louis stopping, Healy coasting to a stop. Helo operations are going to take place.

09/20/2008::22:54:43 We are 2.7 n miles north of the designated line. Louis appears to be taking a southerly adjustment back towards our base line. Not the case just a slight adjustment to the south.

09/21/2008::03:41:44 Louis just called and said that they were deploying the sreamer and making their way to us.

09/22/2008::17:25:59 We're still standing by for repairs to the seismic gear on the Louis. The path we broke getting here has frozen up behind us.

09/23/2008::17:49:55 We are currently breaking ice and subbottom and bathy are not doing well.

09/24/2008::06:51:47 Louis has stopped for a little maintenance. All stop.

09/24/2008::08:56:23 Louis has fixed or repaired any problems in the engine room. All set now, Louis is going to start moving ahead. If she has problems, we might have to come around and rescue her.

09/24/2008::13:47:44 Louis contacted the ship and said there were having electrical problems and had to stop. We are all stop awaiting word from the Louis.

09/24/2008::17:04:53 Louis is up and running again! We've come back around and are about a mile ahead of Louis. She's going to fall in behind us and we'll resume survey mode.

09/25/2008::01:39:31 We are currently off Louis' starboard side and are turning around to pass close to Louis and try and break her free.

09/25/2008::01:50:22 Louis is unstuck! We're on the road again

09/25/2008::22:17:04 Healy and Louis tied up alongside each other. Securing the gangway over.

09/26/2008::03:59:31 All hands requested to report back to their respective ships after the cook out and frivolity

09/26/2008::16:15:20 Louis is all done with the signature tests, moving ahead again following about 1 mile behind at 5 knots.

09/27/2008::11:00:16 We have passed through the 2500 meter contour and are currently heading SE. Louis called to confirm this, and we are awaiting to hear if we are to continue on this course or begin to turn SW.

09/27/2008::11:28:46 We will follow the Louis for now. They have the next waypoint as 77N, 148 40W, which is due west from here, but looking at the ice images, a more SW course may get us out of the ice sooner.

09/28/2008::01:13:05 We are coming along side Louis in a large lead to wave farewell and fair voyage as we head south together from a fruitful conquest of this northern area.

09/28/2008::04:36:38 We are turning west and proceeding to way point "W2". We are also departing the Louis who are headed home.

09/28/2008::23:12:19 We are rapidly approaching the edge of the ice. We are seeing more and more open water and skimmy ice.

09/30/2008::01:40:17 turning west to nominally follow the 2500 meter contour line. We're in loose patchy ice now, with a lot of open water.

09/30/2008::16:09:51 Coming on to a heading of 270 at the urging of our community observer. They do not want us to get any closer to the coast since the annual whale hunt is ongoing.